



PATENT  
454311-2200.1

1645  
#21

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Steven D. HANES et al. Notice of Allowance  
Dated: November 6, 2002  
Serial No. : 09/507,242 Confirmation No.: 9120  
For : CaESSI: A CANDIDA ALBICANS GENE,  
METHODS FOR MAKING AND USING, AND  
TARGETING IT AND ITS EXPRESSION  
PRODUCTS FOR ANTIFUNGAL APPLICATIONS  
Filed : February 18, 2000  
Examiner : Padmavathi Baskar  
Art Unit : 1645

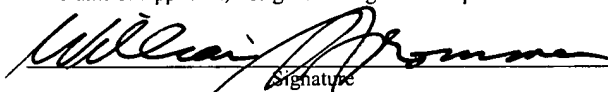
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Washington, DC 20231, on January 13, 2003.

William S. Frommer, Reg. No. 25,506

\_\_\_\_\_  
Name of Applicant, Assignee or Registered Representative

  
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Signature

January 13, 2003

\_\_\_\_\_  
Date of Signature

**FILING OF FORMAL DRAWINGS**

Assistant Commissioner for Patents  
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Attention: **Official Draftsperson**

Sir:

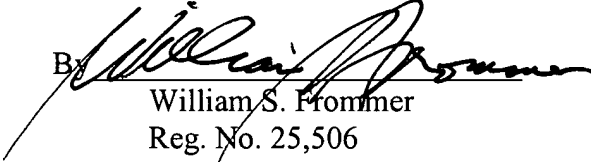
In accordance with the requirement cited in the Notice of Allowability (PTOL-37,  
Paper No. 19), Applicants file herewith (5) sheets of formal drawings to be made of record in

the present application in place of the original drawings and which avoid the objections stated in  
PTO Form 948 attached to Paper No. 6.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicants

By

  
William S. Frommer  
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Encs. - Formal Drawings (5 sheets)





507,242  
en D. HANES et al.  
CaESS1: A CANDIDA ALBICANS GENE,  
METHODS FOR MAKING AND USING, AND  
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# The CaESS1 gene of *Candida albicans*

FIG. 1A

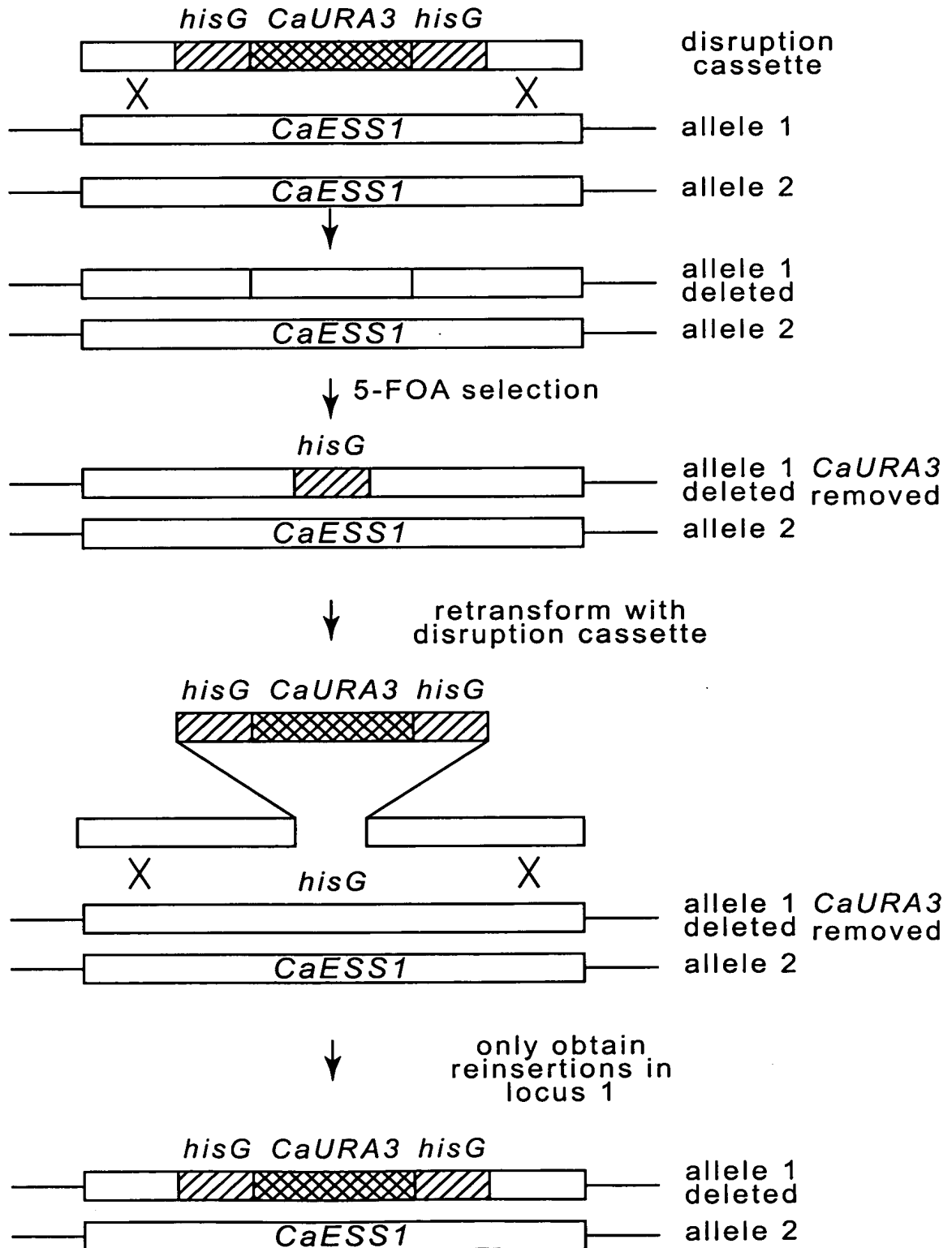
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89 AGATATACAGTTGAGATTGCTCTGCAATAGATATTAGGTAGTGATACATTACCAAAAACCTCTCTCTTTTCTATATATTCTTCATCAACACAGATTTC 188  
189 GTTGTGGCCCTTTTGTGATTATTGTGTCATCAGTTTAGCTTGATTCTTTTTCAGTAGTATATCATC ATG GCA TCG ACA TCA ACA GGC TTA 279  
M A S T S T G L 8  
280 CCA CCT AAT TGG ACG ATT AGA GTA TCC AGA TCC CAT AAC AAA GAG TAT TTC TTA AAC CAA TCT ACC AAT GAG TCG 354  
9 P P N W T I R V S R S H N K E Y F L N Q S T N E S 33  
355 TCT TGG GAC CCA CCT TAT GGC ACT GAC AAA GAA GTA TTG AAT GCA TAC ATT GCG AAG TTT AAA AAC AAT GGT TAC 429  
34 S W D P P Y G T D K E V L N A Y I A K F K N N G Y 58  
430 AAG CCA CTT GTG AAT GAG GAT GGC CAG GTT AGA GTT TCT CAT TTG TTG ATC AAG AAC AAT CAA TCA AGA AAA CCC 504  
59 K P L V N E D G Q V R V S H L I K N N Q S R K P 83  
505 AAG TCT TGG AAG TCC CCA GAT GGT ATA AGT AGA GAC GAA TCT ATA CAG ATA TTG AAG AAA CAT TTG GAA 579  
84 K S W K S P D G I S R T R D E S I Q I L K K H L E 108  
580 AGA ATA TTG AGT GGT GAG GTT AAA CTA AGT GAA TTG GCA AAT ACC GAA AGT GAT TGC AGC TCA CAT GAC AGA GGT 654  
109 R I L S G E V K L S E L A N T E S D C S S H D R G 133  
655 GGT GAT TTA GGG TTT TTT AGC AAA GGA CAA ATG CAA CCA CCA TTC GAA GAA GCC GCA TTC AAT TTG CAT GTT GGA 729  
134 G D L G F F S K G Q M Q P P F E E A A F N L H V G 150  
730 GAA GTC AGT AAC ATA ATT GAA ACC AAT AGT GGT GTC CAT ATC CTC CAA AGA ACA GGA TAA ATCAAGATATTGGAGTTTGA 809  
151 E V S N I I E T N S G V H I L Q R T G \* 178  
810 TGAATAATGAAATAATATAGAGACAAGTTGTATAGATTGGTAACCAAAAAAGCGATGGCTCACAAAAGTCGAAAACCTGTGGAGAGAACATCTTACCAGG 909  
910 TACACGGCGATTAAACTCTAATCGTCGATATTATATAATCGGAACGTTTCCCGTCATGGTTTGTATATTGGATCC 989

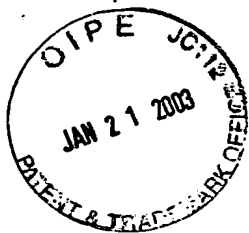


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**FIG. 1B**

Gene Knockout of  
*CaESS1* in *Candida albicans*



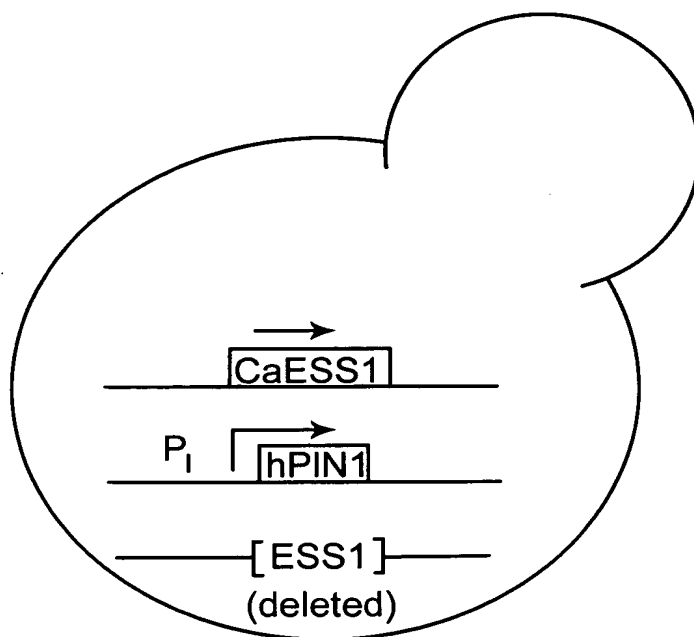


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**FIG. 2**

Yeast Strain to Identify Inhibitors  
Specific for *Candida albicans* CaESS1





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### Screen for CaESS1 Inhibitors

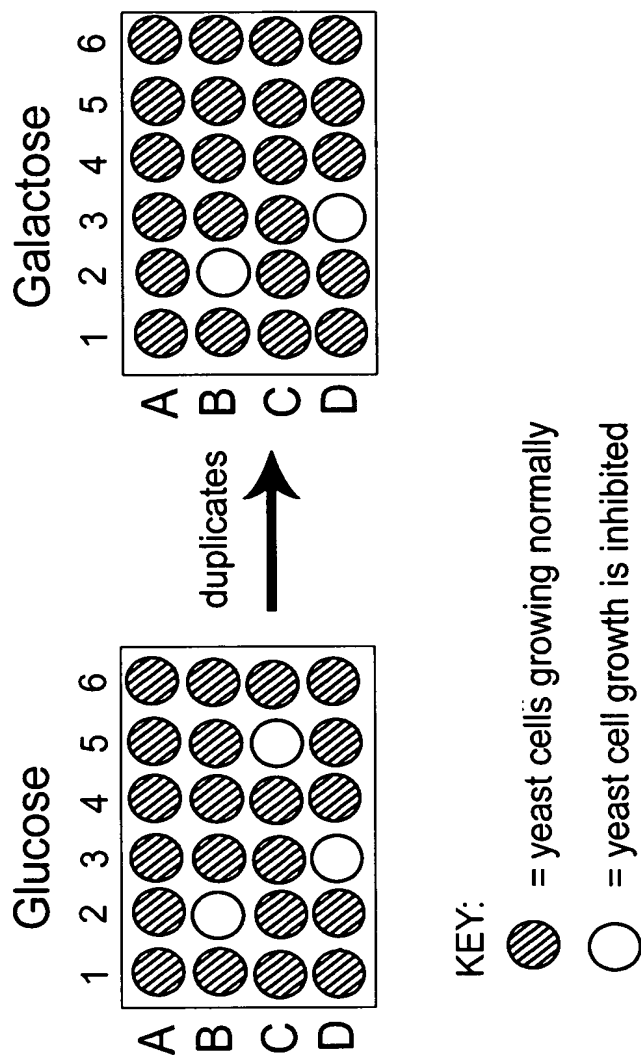
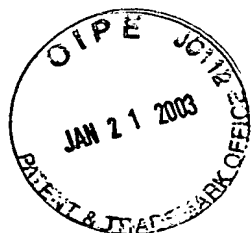
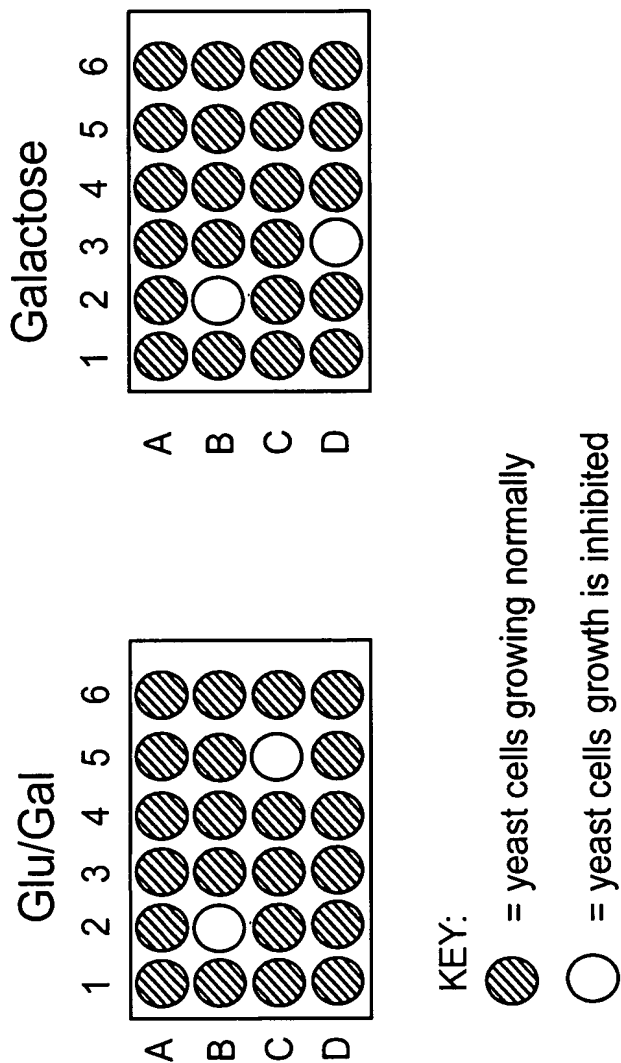


FIG. 3



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Screen for *hPIN1* Inhibitors

FIG. 4